

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	2	"4933307".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 14:58
S3	0	"100121427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 15:00
S4	2	"0121427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 15:01
S5	0	"1019940009707"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 15:08
S6	294	(264/621).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/11 15:20
S7	362	(264/628).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/11 15:21
S8	15	S6 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 15:21



S9	641	S6 or S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 15:21
S10	51	(US-20050239628-\$ or US-20070210493-\$ or US-20050225013-\$ or US-20050218565-\$ or US-20050200055-\$ or US-20040253279-\$ or US-20030151173-\$ or US-20020175440-\$ or US-20010030388-\$).did. or (US-4933307-\$ or US-6984671-\$ or US-6605648-\$ or US-7482390-\$ or US-7455798-\$ or US-7419772-\$ or US-7384988-\$ or US-7381362-\$ or US-7354542-\$ or US-7100400-\$ or US-7001568-\$ or US-6680013-\$ or US-6667261-\$ or US-6620368-\$ or US-6616873-\$ or US-6571582-\$ or US-6551546-\$ or US-6519976-\$ or US-6444162-\$ or US-6410631-\$ or US-6374638-\$ or US-6341701-\$ or US-6299822-\$ or US-6258305-\$ or US-6254998-\$ or US-6223563-\$).did. or (US-6209357-\$ or US-5944866-\$ or US-5871684-\$ or US-5854154-\$ or US-5827457-\$ or US-5772735-\$ or US-5665289-\$ or US-5429780-\$ or US-5076980-\$ or US-5015605-\$ or US-4818732-\$ or US-4765818-\$ or US-4640807-\$ or US-4105426-\$).did. or (JP-01138143-\$ or JP-01138136-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2009/02/11 16:36
S11	41	S10 and gel\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 16:36
S12	16	S10 and (sphere or spheroid \$3 or globe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 16:37



S13	1554	silica near3 (sphere or spheroid\$3 or globe) and gel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 10:16
S14	4	"3855172".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 10:42
S15	51	("2751366"   "2776267"   "3251800"   "3417028"   "3540884").PN. OR ("3855172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/12 10:46
S16	52	(US-20050239628-\$ or US- 20070210493-\$ or US- 20050225013-\$ or US- 20050218565-\$ or US- 20050200055-\$ or US- 20040253279-\$ or US- 20030151173-\$ or US- 20020175440-\$ or US- 20010030388-\$).did. or (US- 4933307-\$ or US-6984671-\$ or US-6605648-\$ or US- 7482390-\$ or US-7455798-\$ or US-7419772-\$ or US- 7384988-\$ or US-7381362-\$ or US-7354542-\$ or US- 7100400-\$ or US-7001568-\$ or US-6680013-\$ or US- 6667261-\$ or US-6620368-\$ or US-6616873-\$ or US- 6571582-\$ or US-6551546-\$ or US-6519976-\$ or US- 6444162-\$ or US-6410631-\$ or US-6374638-\$ or US- 6341701-\$ or US-6299822-\$ or US-6258305-\$ or US- 6254998-\$ or US-6223563-\$). did. or (US-6209357-\$ or US- 5944866-\$ or US-5871684-\$ or US-5854154-\$ or US- 5827457-\$ or US-5772735-\$ or US-5665289-\$ or US- 5429780-\$ or US-5076980-\$ or US-5015605-\$ or US- 4818732-\$ or US-4765818-\$ or US-4640807-\$ or US- 4105426-\$ or US-3855172-\$). did. or (JP-01138143-\$ or JP- 01138136-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2009/02/12 11:20



S17	28	S16 and (furnace or kiln)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 11:20
S18	3	S16 and rotary	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 11:24
S19	52	(US-20050239628-\$ or US-20070210493-\$ or US-20050225013-\$ or US-20050218565-\$ or US-20050200055-\$ or US-20040253279-\$ or US-20030151173-\$ or US-20020175440-\$ or US-20010030388-\$).did. or (US-4933307-\$ or US-6984671-\$ or US-6605648-\$ or US-7482390-\$ or US-7455798-\$ or US-7419772-\$ or US-7384988-\$ or US-7381362-\$ or US-7354542-\$ or US-7100400-\$ or US-7001568-\$ or US-6680013-\$ or US-6667261-\$ or US-6620368-\$ or US-6616873-\$ or US-6571582-\$ or US-6551546-\$ or US-6519976-\$ or US-6444162-\$ or US-6410631-\$ or US-6374638-\$ or US-6341701-\$ or US-6299822-\$ or US-6258305-\$ or US-6254998-\$ or US-6223563-\$).did. or (US-6209357-\$ or US-5944866-\$ or US-5871684-\$ or US-5854154-\$ or US-5827457-\$ or US-5772735-\$ or US-5665289-\$ or US-5429780-\$ or US-5076980-\$ or US-5015605-\$ or US-4818732-\$ or US-4765818-\$ or US-4640807-\$ or US-4105426-\$ or US-3855172-\$).did. or (JP-01138143-\$ or JP-01138136-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2009/02/12 13:55
S20	26	S19 and tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 13:55



S21	1554	silica near3 (sphere or spheroid\$3 or globe) and gel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 14:06
S22	37	S21 and (tube near furnace)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 14:06
S23	2	"5912397".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 14:19
S24	2	"5938805".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 14:20
S25	52	(US-20050239628-\$ or US-20070210493-\$ or US-20050225013-\$ or US-20050218565-\$ or US-20050200055-\$ or US-20040253279-\$ or US-20030151173-\$ or US-20020175440-\$ or US-20010030388-\$).did. or (US-4933307-\$ or US-6984671-\$ or US-6605648-\$ or US-7482390-\$ or US-7455798-\$ or US-7419772-\$ or US-7384988-\$ or US-7381362-\$ or US-7354542-\$ or US-7100400-\$ or US-7001568-\$ or US-6680013-\$ or US-6667261-\$ or US-6620368-\$ or US-6616873-\$ or US-6571582-\$ or US-6551546-\$ or US-6519976-\$ or US-6444162-\$ or US-6410631-\$ or US-6374638-\$ or US-6341701-\$ or US-6299822-\$ or US-6258305-\$ or US-6254998-\$ or US-6223563-\$).did. or (US-6209357-\$ or US-5944866-\$ or US-5871684-\$ or US-5854154-\$ or US-5827457-\$ or US-5772735-\$ or US-5665289-\$ or US-5429780-\$ or US-5076980-\$	US-PGPUB; USPAT; JPO	OR	OFF	2009/10/28 15:29



		or US-5015605-\$ or US-4818732-\$ or US-4765818-\$ or US-4640807-\$ or US-4105426-\$ or US-3855172-\$). did. or (JP-01138143-\$ or JP-01138136-\$).did.				
S26	12	S25 and ("C/min" or "C/hr")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/28 15:29
S27	2	("5650129").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/29 16:17
S28	11	("2161186"   "2699376"   "3493341"   "4857290"   "4913966"   "5063179"   "5354548").PN. OR ("5650129").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 16:18
S29	38	("2480520"   "2641044"   "2645588"   "2886460"   "2891875"   "2988520"   "3183194"   "3558508"   "3980586"   "3983055").PN. OR ("4392988").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/30 14:04
S30	6	(US-5900450-\$ or US-5650129-\$ or US-5624875-\$ or US-4978641-\$ or US-4871693-\$ or US-4392988-\$). did.	USPAT	OR	OFF	2009/10/30 14:05
S31	129	(502/10).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/30 14:18
S32	16	S31 and rotary	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/30 14:18
S33	78	S31 and silica	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/30 14:23



S34	3	("2492167").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/02 09:39
S35	298	(264/621).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/02 10:59
S36	383	(264/628).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/02 10:59
S37	666	S35 or S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/02 10:59
S38	25	S37 and @pd>="20090210"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/02 10:59
S41	81	(US-20050239628-\$ or US-20070210493-\$ or US-20050225013-\$ or US-20050218565-\$ or US-20050200055-\$ or US-20040253279-\$ or US-20030151173-\$ or US-20020175440-\$ or US-20010030388-\$ or US-20020111262-\$.did. or (US-4933307-\$ or US-6984671-\$ or US-6605648-\$ or US-7482390-\$ or US-7455798-\$ or US-7419772-\$ or US-7384988-\$ or US-7381362-\$ or US-7354542-\$ or US-7100400-\$ or US-7001568-\$ or US-6680013-\$ or US-6667261-\$ or US-6620368-\$ or US-6616873-\$ or US-6571582-\$ or US-6551546-\$ or US-6519976-\$ or US-6444162-\$ or US-6410631-\$ or US-6374638-\$ or US-6341701-\$ or US-6299822-\$	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2010/08/10 11:06



		or US-6258305-\$ or US-6254998-\$ or US-6223563-\$). did. or (US-6209357-\$ or US-5944866-\$ or US-5871684-\$ or US-5854154-\$ or US-5827457-\$ or US-5772735-\$ or US-5665289-\$ or US-5429780-\$ or US-5076980-\$ or US-5015605-\$ or US-4818732-\$ or US-4765818-\$ or US-4640807-\$ or US-4105426-\$ or US-3855172-\$ or US-5650129-\$ or US-5063179-\$ or US-4913966-\$ or US-3493341-\$ or US-5900450-\$ or US-5624875-\$ or US-4978641-\$ or US-4871693-\$ or US-4392988-\$ or US-3558508-\$ or US-3183194-\$ or US-3663165-\$). did. or (US-6150300-\$ or US-5976478-\$ or US-5861134-\$ or US-5821186-\$ or US-2492167-\$ or US-5236683-\$ or US-5145578-\$ or US-4983369-\$ or US-4894357-\$ or US-4777154-\$ or US-4637990-\$ or US-3923688-\$). did. or (US-3493341-\$ or US-3558508-\$ or US-3183194-\$ or US-2397350-\$). did. or (JP-01138143-\$ or JP-01138136-\$). did.				
S42	15	S41 and ("C/min" or "C/hr")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/10 11:06
S43	11	S41 and ("C/hour" or "C/minute" or "C/s" or "C/sec" or "C/second")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/10 11:31
S44	308	(264/621).QQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/10 11:43



S45	398	(264/628).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/10 11:43
S46	690	S44 or S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/10 11:43
S47	0	S46 and @pd>="200910292"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/10 11:43
S48	3812	((501/12) or (501/39) or (501/53) or (501/80) or (501/133) or (501/154)). CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/10 11:46
S49	1172	S48 and gel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/10 11:46
S50	269	S49 and (spher\$4 or spheroid \$3 or globe or orb)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/10 11:47
S51	233	S50 and (silica or (silicon adj oxide) or (silicon adj dioxide) or "SO.sub.2")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/10 11:54
S52	24	("2328644"   "2883347"   "3717486"   "3719510"   "3744984").PN. OR ("3867156").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/10 15:59
S53	12	("2883347").URPN.	USPAT	OR	ON	2010/08/10 16:35
S54	11	("2161186"   "2699376"   "3493341"   "4857290"   "4913966"   "5063179"   "5354548").PN. OR ("5650129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/10 16:48



**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S39	153	kim-sun\$uk\$.in. or hwang-soon\$scheol\$. in. or chun-myong \$scheul\$.in.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/02 11:01
S40	5	S39 and (silica or silicon).dm.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/02 11:02
S55	164	kim-sun\$uk\$.in. or hwang-soon\$scheol\$. in. or chun-myong \$scheul\$.in.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/08/10 17:08
S56	5	S55 and (silica or silicon).dm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/08/10 17:08

**8/ 17/ 2010 2:31:17 PM****C:\Documents and Settings\esnelting\My Documents\EAST\Workspaces\ 10560023.wsp**